## 2018 Structure Summary Report

**Overall Unit and Item Ratings** 

# **Merced Streams Group**

## **Black Rascal Creek Drop Structure**

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	А
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	А
	Safety	А
	Operation & Maintenance Manual	Α

Tuesday, August 28, 2018 11:32 Page 1 of 2

## 2018 Structure Summary Report

**Overall Unit and Item Ratings** 

# **Merced Streams Group (cont.)**

## **Owens Creek Siphon Structure**

Overall Uni

it Rating	Rated Item	Item Rating
	Photo Documentation	N
	Vegetation & Obstructions	U
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	N
	Encroachments	Α
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

Tuesday, August 28, 2018 11:32 Page 2 of 2

## **Unit Cover Sheet**

## **2018 Structure Inspection Results**

# **Merced Streams Group**

Structure				
Black Rascal Creek Drop Structure				

Structure Rating	Α
Date of Inspection	6/26/2018
DWR Inspector	Luz Dial
Accompanied By	

## **Levee Inspection Report By Mile - Structure 2018**

# **Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		06/26/2018 06/26/2018	Luz Dial

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	_ined	GPS La	titud	e/Longitude
Calegory	Channels			Start		End
Item	Photo Do	cumentation		37.3146	67°	37.314667 <sup>°</sup>
item				-120.3961	01 °	-120.396101 °
DWR ID DWR_NA0013_28_t _ 2016_1						
		Action/	Comme	nts		

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LMC	0.00	Iceua Tyna +	Ma	Location *	



View of drop structure from downstream. Summer 2018

Photo 2 of 5: ST\_2018\_NA0013\_28\_1\_20180802\_00008.jpg



View of abutments from left bank. Summer 2018

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Black Rascal Creek Drop Structure viewed from across channel. Summer 2017

\* Location LS : Land Side WS : Water Side CR : Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2018

# **Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		06/26/2018 06/26/2018	Luz Dial

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	Lined	GPS La	atitud	e/Longitude
Calegory	Channels			Start		End
Item	Photo Do	cumentation		37.3146	67°	37.314667
пеш		-120.3961	01 °	-120.396101		
DWR ID	013_28_t _ 201					
		Action/	Comme	nts		

Photo 4 of 5 : \$1_2018_NA0013_28_1_20180608_00002.j	pg



Looking across from the left bank abutment over to the right bank. Summer 2017

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 5 of 5: ST\_2018\_NA0013\_28\_1\_20180608\_00003.jpg



Black Rascal Creek Drop Structure view of the upstream side of the outlet. Summer 2017

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Vegetatio	n & Obstructio	ns	37.314667	, o	37.314667	0
пеш					°	-120.396101	0
DWR ID	DWR_NA0	013_28_t _ 2010	6_2				
		A .: /	^				

Action/Comments

Inspector Comments: Remove Arundo on the right bank downstream of the structure.



View of Arundo on right bank downstream of structure. Summer 2018

\* Location
LS: Land Side
WS: Water Side
CR: Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected + Issue Type
Ma : Mainte

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

A/W : Acceptable but Monitor & Maintain En : Enforcement

## **Levee Inspection Report By Mile - Structure 2018**

# **Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		06/26/2018 06/26/2018	Luz Dial

LM Start	0.00	Rating **	Α	Issue No.		2 (cont)
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels Channels			Start		End
Item	Vegetatio	n & Obstruction	ns	37.3146	67°	37.314667°
пеш				-120.39610	)1 °	-120.396101 °
DWR ID DWR_NA0013_28_t _ 2016_2					·	
	Action/Comments					

Inspector Comments: Remove Arundo on the right bank downstream of the structure.

Photo 2 of 3: ST_2018	3_NA0013_2	28_2_2018060	08_00004.jpg
		**** / · · · / ·	
		Y	
			<b>分</b> 少定
	TAN 1	A. J. S. J. J. K.	
	1 /	4 1 1 X X X	
		1-1-1-1	Mariti
	1	111111	
		11777	Children !

Standing on the right bank looking downstream at wild bamboo growth against the concrete structure. Summer 2017

LM Start	0.00	Rating **	Α	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ма	Location *	

Photo 3 of 3: ST\_2018\_NA0013\_28\_2\_20180608\_00005.jpg



Standing downstream of the right bank bamboo and other wild growth present against the concrete wall. Summer 2017

LM Start	0.00	Rating **	Α	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Lat	ituc	le/Longitude	
Calegory	Category			Start		End
Item	Shoaling /	Sedimentation	on	37.31466	7°	37.314667 °
пеш				-120.39610	1°	-120.396101 °
DWR ID DWR_NA0013_28_t _ 2016_3						
	Action/Comments					

No Photos

\* Location

LS: Land Side

WS: Water Side

CR: Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2018

# **Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		06/26/2018 06/26/2018	Luz Dial

LM Start	0.00	Rating **	Α	Issue No.		4
LM End	0.00	Issue Type +	Ма	Location *		
Category		& Concrete I	_ined	GPS La	atitud	e/Longitude
Calegory	Channels			Start		End
Item	Erosion /	Bank Caving		37.3146	67°	37.314667 °
item				-120.3961	01 °	-120.396101 °
DWR ID	DWR_NA0	013_28_t _ 201	6_4			
		Action/	Comme	nts		

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
				Start		End	
Item	Revetmer	nts		37.3146	67°	37.314667	c
пеш				-120.3961	01 °	-120.396101	c
DWR ID	DWR_NA0	013_28_t _ 2010	6_5				
Action/Comments							

No Photos

LM Start	0.00	Rating **	Α	Issue No.	6		_
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Encroach	ments		37.3146	67°	37.314667	0
пеш				-120.3961	01 °	-120.396101	0
DWR ID	DWR ID DWR_NA0013_28_t _ 2016_6						
Action/Comments							

No Photos

\* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

## Levee Inspection Report By Mile - Structure 2018

# **Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		06/26/2018 06/26/2018	Luz Dial

LM Start	0.00	Rating **	N	Issue No.		7
LM End	0.00	Issue Type +	Ма	Location *		
Category		& Concrete I	_ined	GPS La	titud	le/Longitude
Calegory	Channels			Start		End
Item	Culverts:	nlets / Outlets	3	37.3146	67°	37.314667 °
item				-120.39610	)1 °	-120.396101 °
DWR ID	DWR_NA0	013_28_t _ 201	6_7			
		Action/	Comme	nts		

No Photos

0.00	Rating **	Α	Issue No.		8			
0.00	Issue Type +	Ma	Location *					
Structures & Concrete Lined				GPS Latitude/Longitude				
Channels			Start		End			
	Breaks / Hole	s/	37.31466	67°	37.314667	0		
Item Cracks				)1 °	-120.396101	0		
DWR_NA0	013_28_t _ 201	6_8						
	Action/	Comme	nts					
	0.00 Structures Channels Culverts: Cracks	0.00 Issue Type + Structures & Concrete I Channels Culverts: Breaks / Hole Cracks DWR_NA0013_28_t _ 201	0.00 Issue Type + Ma Structures & Concrete Lined Channels Culverts: Breaks / Holes / Cracks DWR_NA0013_28_t2016_8	0.00 Issue Type + Ma Location *  Structures & Concrete Lined Channels  Culverts: Breaks / Holes / 37.31466  Cracks  Cracks	0.00         Issue Type +         Ma         Location *           Structures & Concrete Lined Channels         GPS Latitud           Culverts: Breaks / Holes / Cracks         37.314667 °           -120.396101 °	0.00         Issue Type +         Ma         Location *           Structures & Concrete Lined Channels         GPS Latitude/Longitude           Start         End           Culverts: Breaks / Holes / Cracks         37.314667 ° 37.314667 ° 120.396101           DWR_NA0013_28_t _ 2016_8		

No Photos

LM Start	0.00	Rating **	N	Issue No.	9			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Category Channels			Start		End			
Item	Metal Pipe	es		37.3146	67°	37.314667°		
пеш				-120.3961	01 °	-120.396101 °		
DWR ID DWR_NA0013_28_t _ 2016_9								
Action/Comments								

No Photos

\* Location LS: Land Side WS: Water Side CR : Crown

\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

## Levee Inspection Report By Mile - Structure 2018

# **Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		06/26/2018 06/26/2018	Luz Dial

LM Start	0.00	Rating **	N	Issue No.		10			
LM End	0.00	Issue Type +	Ма	Location *					
Structures & Concrete Lined				GPS La	titud	le/Longitude			
Category	Channels			Start		End			
Item	Trash Rad	cks		37.3146	67°	37.314667 °			
пеш				-120.39610	)1 °	-120.396101 °			
DWR ID	DWR_NA0	013_28_t _ 201	6_10						
		Action/	Comme	nts					

No Photos

Rating \*\* Issue No. LM Start 0.00 Ν 11 Issue Type + Ма Location \* 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Flap Gates 37.314667° 37.314667° Item -120.396101° -120.396101 ° DWR ID DWR\_NA0013\_28\_t \_ 2016\_11 Action/Comments

No Photos

Issue No. Rating \*\* LM Start 0.00 12 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Sluice/Slide Gates 37.314667° 37.314667 ° Item -120.396101° -120.396101° DWR\_NA0013\_28\_t \_ 2016\_12 DWR ID Action/Comments

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2018

# **Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		06/26/2018 06/26/2018	Luz Dial

LM Start	0.00	Rating **	Ν	Issue No.		13	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	atitud	e/Longitude	
Calegory	Channels			Start		End	
Item	Electric G	ate Operators	;	37.3146	67°	37.314667°	
nem				-120.3961	01 °	-120.396101 °	
DWR ID DWR_NA0013_28_t _ 2016_13							
		Action/	Comme	nts			

No Photos

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	atitud	le/Longitude	
Calegory	Channels	Channels			Start		
Item	Manual G	ate Operators	<b>i</b>	37.3146	67°	37.314667	0
пеш				-120.3961	01 °	-120.396101	0
DWR ID	DWR_NA0	013_28_t _ 201	6_14				
		Action/	'Comme	nts			

No Photos

LM Start	0.00	Rating **	Α	Issue No.	15			
LM End	0.00	Issue Type +	Ма	Location *				
Category Structures & Concrete Lined Channels			GPS La	atituc	le/Longitude			
			Start		End			
Item	Concrete	Surfaces		37.3146	67°	37.314667°		
пеш				-120.3961	01 °	-120.396101 °		
DWR ID	DWR ID DWR_NA0013_28_t _ 2016_15							
Action/Comments								

No Photos

\* Location LS: Land Side WS: Water Side CR : Crown

\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

## **Levee Inspection Report By Mile - Structure 2018**

# **Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		06/26/2018 06/26/2018	Luz Dial

LM Start	0.00	Rating **	Α	Issue No.		16
LM End	0.00	Issue Type +	Ma	Location *		
Category Changels				GPS La	titud	le/Longitude
Calegory	Channels			Start		End
Item	Concrete Tilting / Settlement				67°	37.314667 °
item			-120.39610	)1 °	-120.396101 °	
DWR ID	DWR_NA0	013_28_t _ 201	6_16			
		Action/	Comme	nts		

No Photos

Rating \*\* Issue No. LM Start 0.00 Α 17 Issue Type + Ма Location \* 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Foundations 37.314667° 37.314667° Item -120.396101° -120.396101° DWR ID DWR\_NA0013\_28\_t \_ 2016\_17 Action/Comments

No Photos

Rating \*\* Issue No. LM Start 0.00 18 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Security Fencing 37.314667° 37.314667 ° Item -120.396101° -120.396101° DWR\_NA0013\_28\_t \_ 2016\_18 DWR ID Action/Comments

No Photos

\* Location LS : Land Side WS : Water Side CR : Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2018

# **Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		06/26/2018 06/26/2018	Luz Dial

LM Start	0.00	Rating **	N	Issue No.		19			
LM End	0.00	Issue Type +	Ma	Location *					
Structures & Concrete Lined			GPS La	atitud	e/Longitude				
Calegory	Channels			Start		End			
Closure Structures				37.3146	67°	37.314667 °			
item	item			-120.396101 °		-120.396101 °			
DWR ID DWR_NA0013_28_t _ 2016_19									
		Action/	Comme	nts					

No Photos

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Channels Channels				Start		End	
Trash Rakes			37.3146	67°	37.314667	0	
пеш				-120.3961	01 °	-120.396101	0
DWR ID	DWR_NA0	013_28_t _ 201	6_20				
Action/Comments							

No Photos

LM Start	0.00	Rating **	N	Issue No.		21
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels		Start		End		
Item	Other Met	tallic Items		37.3146	67°	37.314667°
item			-120.3961	01 °	-120.396101 °	
DWR ID	DWR_NA0	013_28_t _ 201	6_21			
Action/Comments						

No Photos

\* Location LS: Land Side WS: Water Side CR : Crown

\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

## **Levee Inspection Report By Mile - Structure 2018**

# **Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		06/26/2018 06/26/2018	Luz Dial

LM Start	0.00	Rating **	Α	Issue No.		22
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	Lined	GPS La	atitud	le/Longitude
Calegory	Channels			Start		End
Item	Monolith .	loints		37.3146	67°	37.314667 °
пеш	item			-120.3961	01 °	-120.396101 °
DWR ID	DWR_NA0	013_28_t _ 201	6_22			
		Action/	Comme	nts		

No Photos

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Calegory	Category Channels			Start		End	
Itom	ltem Safety			37.3146	67°	37.314667 °	
пеш				-120.396101 °		-120.396101 °	
DWR ID	DWR_NA0	013_28_t _ 201	6_23				
		Action/	Comme	nts			

LM Start	0.00	Rating **	Α	Issue No.	23 (cont)
	0.00	Jacus Type I	N 4	Location *	



View of fence along left bank. Summer 2018

Photo 2 of 2: ST\_2018\_NA0013\_28\_23\_20180608\_00006.jpg



View of safety fence looking from the right bank across the channel to the fence on top of structure left bank. Summer 2017

\* Location LS : Land Side WS : Water Side CR : Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2018

# **Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		06/26/2018 06/26/2018	Luz Dial

LM Start	0.00	Rating **	Α	Issue No.		24
LM End	0.00	Issue Type +	Ма	Location *		
Cotogony	Structures	& Concrete I	_ined	GPS La	atitud	le/Longitude
Category	Channels			Start		End
Item		Operation & Maintenance			67°	37.314667 °
пеш	Manual			-120.396101 °		-120.396101 °
DWR ID	DWR_NA0	013_28_t _ 201	6_24			
		Action/	Comme	nts		
Inspector (	Comments	: O+M manua	ıl mainta	ined at LMA	\ off	ice.

No Photos

\* Location LS: Land Side WS : Water Side CR : Crown \*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

## **Unit Cover Sheet**

## **2018 Structure Inspection Results**

# **Merced Streams Group**

Structure	
Owens Creek Siphon Structure	

Structure Rating	M
Date of Inspection	6/27/2018
DWR Inspector	Luz Dial
Accompanied By	

## **Levee Inspection Report By Mile - Structure 2018**

# **Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		06/27/2018 06/27/2018	Luz Dial

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	Lined	GPS La	atitud	le/Longitude
Calegory	Channels			Start		End
ltom	Item Photo Documentation			37.2626	48 °	37.262648°
пеш				-120.2881	94 °	-120.288194°
DWR ID	DWR_NA0	013_51_t _ 201	6_1			
		Action/	Commer (Commer	nts		

LM Start	0.00	Rating **	N	Issue No.	1 (cont)

Location \*

Issue Type +

LM End

0.00



View of siphon inlet structure. Summer 2018

Photo 2 of 6: ST\_2018\_NA0013\_51\_1\_20180802\_00008.jpg



View of top of siphon inlet structure. Summer 2018

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the outlet of the siphon structure. Summer 2018

\* Location LS : Land Side WS : Water Side CR : Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

tain En : Enforcement

## **Levee Inspection Report By Mile - Structure 2018**

# **Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		06/27/2018 06/27/2018	Luz Dial

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS La	atitud	de/Longitude	
Category	Channels			Start		End
Item	Photo Do	cumentation		37.2626	48 °	37.262648°
item					94 °	-120.288194°
DWR ID DWR_NA0013_51_t _ 2016_1						
		Action/	Comme	nts		

Photo 4 of 6 : ST_2018_	NA0013_51_1_20180608_00001.jpg
	MI Denty See Links to the last the last
	The second secon
	1971年
	DE PROPERTY OF THE PARTY OF THE
PANILL	

Looking at the inlet structure from left bank. Owens Creek Siphon Structure. Summer 2017

 LM Start
 0.00
 Rating \*\*
 N
 Issue No.
 1 (cont)

 LM End
 0.00
 Issue Type +
 Ma
 Location \*

Photo 5 of 6: ST\_2018\_NA0013\_51\_1\_20180608\_00002.jpg



Top of Owens Creek Siphon Structure Inlet. Summer 2017

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking at the outlet of the Owens Creek Siphon Structure. Summer 2017

\* Location LS : Land Side WS : Water Side CR : Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

AL DATA

## Levee Inspection Report By Mile - Structure 2018

# **Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		06/27/2018 06/27/2018	Luz Dial

LM Start	0.00	Rating **	U	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Itom	Vegetatio	Vegetation & Obstructions			48 °	37.262648°
item	Item			-120.2881	94 °	-120.288194°
DWR ID	DWR ID DWR_NA0013_51_t _ 2016_2					
Action/Comments						

Inspector Comments: Control the vegetation growth at the inlet of the siphon structure which may impede flows. Summer 2018

LM Start	0.00	Rating **	U	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



View of vegetation obstructing view of inlet. Summer 2018

Photo 2 of 4: ST\_2018\_NA0013\_51\_2\_20180802\_00011.jpg



View of vegetation downstream of siphon structure. Summer 2018

LM Start	0.00	Rating **	U	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking at the vegetation present on the right bank of the inlet. Summer 2017

\* Location

LS: Land Side

WS: Water Side

CR: Crown

\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2018

# **Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		06/27/2018 06/27/2018	Luz Dial

LM Start	0.00	Rating **	U	Issue No.	2 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Itom	Vegetatio	Vegetation & Obstructions			48 °	37.262648°
Item			-120.2881	94°	-120.288194°	
DWR ID	R ID DWR_NA0013_51_t _ 2016_2					
Action/Comments						

Inspector Comments: Control the vegetation growth at the inlet of the siphon structure which may impede flows. Summer 2018

Photo 4 of 4: ST\_2018\_NA0013\_51\_2\_20180608\_00004.jpg



Looking at the vegetation present on the left bank if the inlet. Summer 2017

LM Start	0.00	Rating **	Α	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels		GPS Latitude/Longitude				
		Start		End		
Item	Shoaling /	Shoaling / Sedimentation			18°	37.262648°
пеш					94°	-120.288194°
DWR ID	DWR_NA0	013_51_t _ 201	6_3			
Action/Comments						

No Photos

LM Start	0.00	Rating **	Α	Issue No.	4			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Calegory	Channels			Start		End		
Erosion / Bank Caving				37.26264	3°	37.262648	0	
Item				-120.28819	1 °	-120.288194	0	
DWR ID	DWR_NA0013_51_t _ 2016_4							
	Action/Comments							

Inspector Comments: No apparent erosion was observed during the inspection. Summer 2018

No Photos

Location LS: Land Side WS: Water Side

A: Acceptable M: Minimally Acceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

## **Levee Inspection Report By Mile - Structure 2018**

# **Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		06/27/2018 06/27/2018	Luz Dial

LM Start	0.00	Rating **	N	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Channels		Start		End		
Item	Revetments		37.26264	48 °	37.262648 °	
пеш				-120.28819	94 °	-120.288194 °
DWR ID	DWR_NA0013_51_t _ 2016_5					
		Action/	Comme	nts		

Inspector Comments: There is no riprap at this location.

No Photos

Rating \*\* Issue No. LM Start 0.00 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Encroachments 37.262648° 37.262648° Item -120.288194° -120.288194° DWR ID DWR\_NA0013\_51\_t \_ 2016\_6 Action/Comments

No Photos

LM Start	0.00	Rating **	Α	Issue No.	7		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Channels		Start		End			
Culverts: Inlets / Outlets		3	37.26264	18°	37.262648 °		
пеш				-120.28819	94 °	-120.288194°	
DWR ID	DWR_NA0	013_51_t _ 201	6_7				
	Action/Comments						

## Photo 1 of 1: ST\_2018\_NA0013\_51\_7\_20180608\_00006.jpg



Looking at the inlet from the left bank upstream. Summer 2017

\* Location LS : Land Side WS : Water Side CR : Crown \*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2018

# **Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		06/27/2018 06/27/2018	Luz Dial

LM Start	0.00	Rating **	Α	Issue No. 8		8
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS La	atitud	e/Longitude
Calegory				Start		End
ltem Culverts: Breaks / Holes / Cracks		37.2626	48 °	37.262648°		
		-120.2881	94°	-120.288194°		
DWR ID	DWR ID DWR_NA0013_51_t _ 2016_8					
		Action/	Comme	nts		

No Photos

LM Start	0.00	Rating **	N	Issue No.	9		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Metal Pip	etal Pipes			48 °	37.262648	0
пеш		-120.2881	94°	-120.288194	0		
DWR ID	DWR_NA0	013_51_t _ 201	6_9				
Action/Comments							

No Photos

LM Start	0.00	Rating **	N	Issue No.	10		
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Item	Trash Rad	Trash Racks			48°	37.262648	0
пеш		-120.2881	94°	-120.288194	0		
DWR ID	DWR_NA0	6_10					
Action/Comments							

No Photos

\* Location LS: Land Side WS: Water Side CR : Crown

\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

## Levee Inspection Report By Mile - Structure 2018

# **Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		06/27/2018 06/27/2018	Luz Dial

LM Start	0.00	Rating **	N	Issue No.	11	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS La	atitud	le/Longitude
Calegory	Channels			Start		End
Flap Gates			37.2626	48 °	37.262648 °	
item			-120.2881	94°	-120.288194 °	
DWR ID	R ID DWR_NA0013_51_t _ 2016_11					
		Action/	Comme	nts		

No Photos

LM Start	0.00	Rating **	N	Issue No.	12		
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	Lined	GPS La	atituc	de/Longitude	
Calegory	Channels			Start		End	
Sluice/Slide Gates		37.2626	48 °	37.262648	0		
пеш				120.2881	94°	-120.288194	0
DWR ID	DWR_NA0	013_51_t _ 201	6_12				
	Action/Comments						

No Photos

LM Start	0.00	Rating **	N	Issue No.	13	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Electric G	ate Operators	<b>i</b>	37.2626	48°	37.262648°
пеш				-120.2881	94°	-120.288194°
DWR ID	DWR_NA0	013_51_t _ 201	6_13			
Action/Comments						

No Photos

\* Location LS: Land Side WS: Water Side CR : Crown

\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

## Levee Inspection Report By Mile - Structure 2018

# **Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		06/27/2018 06/27/2018	Luz Dial

LM Start	0.00	Rating **	N	Issue No.		14
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS La	atitud	e/Longitude
Calegory	Channels			Start		End
Item	Manual Gate Operators			37.2626	48°	37.262648 °
пеш				-120.288194°		-120.288194 °
DWR ID	DWR_NA0	013_51_t _ 201	6_14			
		Action/	Comme	nts		

No Photos

Rating \*\* Issue No. LM Start 0.00 Α 15 Issue Type + Ма Location \* 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Surfaces 37.262648° 37.262648° Item -120.288194° -120.288194 ° DWR ID DWR\_NA0013\_51\_t \_ 2018\_15 Action/Comments

No Photos

Issue No. Rating \*\* LM Start 0.00 16 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Concrete Tilting / Settlement 37.262648° 37.262648° Item -120.288194° -120.288194° DWR\_NA0013\_51\_t \_ 2016\_16 DWR ID Action/Comments

No Photos

\* Location LS : Land Side WS : Water Side CR : Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2018

# **Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		06/27/2018 06/27/2018	Luz Dial

LM Start	0.00	Rating **	Α	Issue No.		17
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS La	tituc	le/Longitude	
Calegory	Channels			Start		End
Item	Concrete		37.26264	18°	37.262648°	
item				-120.28819	94 °	-120.288194°
DWR ID	DWR_NA0	013_51_t _ 201	6_17			
		Action/	Comme	nts		

No Photos

LM Start	0.00	Rating **	N	Issue No.		18
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Security F	encing		37.26264	18°	37.262648 °
пеш				-120.28819	94 °	-120.288194°
DWR ID DWR_NA0013_51_t _ 2016_18						
Action/Comments						

No Photos

LM Start	0.00	Rating **	N	Issue No.		19	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Closure S	tructures		37.2626	48°	37.262648	0
пеш				120.2881	94°	-120.288194	0
DWR ID	DWR_NA0013_51_t _ 2016_19						
	Action/Comments						

No Photos

\* Location LS: Land Side WS: Water Side CR : Crown

\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

## Levee Inspection Report By Mile - Structure 2018

# **Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		06/27/2018 06/27/2018	Luz Dial

LM Start	0.00	Rating **	N	Issue No.		20
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS La	atitud	le/Longitude
Calegory	Channels			Start		End
Item	Trash Ral	res		37.2626	48°	37.262648 °
item				-120.2881	94°	37.288194°
DWR ID	DWR_NA0	013_51_t _ 201	6_20			
		Action/	Comme	nts		

No Photos

LM Start	0.00	Rating **	N	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	Lined	GPS La	atitud	e/Longitude	
Calegory	Channels		Start		End		
Item	Other Met	tallic Items		37.2626	48 °	37.262648	0
ILEIII				-120.2881	94°	-120.288194	0
DWR ID	DWR_NA0	013_51_t _ 201	6_21				
		Action/	'Comme	nts			

No Photos

LM Start	0.00	Rating **	Α	Issue No.		22
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined				GPS La	titud	e/Longitude
Calegory	Channels			Start		End
Item	Monolith .	loints		37.26264	18°	37.262648 °
пеш				-120.28819	94°	-120.288194°
DWR ID	DWR_NA0	013_51_t _ 2010	6_22			
Action/Comments						
Inspector (	Inspector Comments: The monolith joint material is in good condition.					

No Photos

\* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

## Levee Inspection Report By Mile - Structure 2018

# **Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		06/27/2018 06/27/2018	Luz Dial

LM Start	0.00	Rating **	Α	Issue No.		23
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Safety			37.2626	48 °	37.262648°
				-120.2881	94 °	-120.288194°
DWR ID	DWR_NA0013_51_t _ 2016_23					
Action/Comments						

No Photos

Rating \*\* Issue No. LM Start 0.00 Α Issue Type + 0.00 Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Operation & Maintenance 37.262648° Item Manual -120.288194 ° -120.288194° DWR ID DWR\_NA0013\_51\_t \_ 2016\_24 Action/Comments

No Photos

Inspector Comments: The District has the O&M manual.

\* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type